Please type a plus sign (+) inside this box 💛 🕇

required)

Filing

PTO/SB/01 (12-97) Approved for use through 9/30/00. OMB 0651-0032

Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains

#### I-2-0496.1US **Attorney Docket Number** Desgagné et al. First Named Inventor COMPLETE IF KNOWN 10/828,665 **Application Number** April 21, 2004 Filing Date 2665 Group Art Unit

Not Yet Known

#### **DECLARATION FOR UTILITY OR DESIGN** PATENT APPLICATION (37 CFR 1.63) □ Declaration ■ Declaration OR Submitted Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) with Initial

**Examiner Name** 

P	As a below named inventor, I hereby declare that:									
٨	ly residence, post office	address, a	and citizenship are	as stated below i	ext to my	name.				
	I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:									
	METHOD AND SYSTEM FOR INTEGRATING RESOURCE ALLOCATION BETWEEN TIME DIVISION DUPLEX AND FREQUENCY DIVISION DUPLEX IN WIRELESS COMMUNICATION SYSTEMS									
	the specification of which (Title of the Invention)									
1	OR  was filed on (MM/E	DD/YYYY)	04/21/	2004	as United	d States Applica	tion Number or F	PCT International		
Ap	plication Number		and wa	as amended on (	MM/DD/Y	YYY)	· = ·	(if applicable).		
ar	ereby state that I have r nended by any amendmonths	ent specifi	cally referred to abo	OVO.			. •	claims, as		
16	icknowledge the duty to	disclose iii	NOTTIAGOTI WHICH IS	material to pateri	tability as	delined in 37 Or	N 1.30.			
cert	I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.									
Pri	or Foreign Application Number(s)		Country	Foreign Filin (MM/DD/Y		e Priority Certified Not Claimed YES		ppy Attached? NO		
	·					0000		0000		
	☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:									
Ш	nereby claim the benefit		J.S.C. 119(e) of an	y United States p	rovisional	application(s) lis	ted below.			
	Application Number	r(s)	Filing Date	(MM/DD/YYY	Y)					
	60/464,668	2/2003		Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.						

[Page 1 of 3 ]
Burden Hour Statement: This form is estimated to take 0.4 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. 1450, Alexandria, VA 22313-1450.

Please type a plus sign (+) inside this box	-	+	
---------------------------------------------	---	---	--

PTO/SB/01 (12-97)
us sign (+) inside this box 

Approved for use through 9/30/00. OMB 0651-0032
Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

# **DECLARATION** — Utility or Design Patent Application

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.												
U.S	S. Pare	ent Applicati Numb		PCT Parent				ling Date		ent Patent N (if applicat		
										***		
											-	
Additional U.S. or PCT international application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.												
As a named inve								this applicatio	n and to transa			
and Trademark (	Jilice cc	nnected therewi	un: [X]	Customer Numi	ber	24	374		▶	Place Custo Number Bar		
				Registered prac	titioner(s)	name	registrati	on number lis	ted below	Label he	re	
	Nam	A		Regist Num				Nam	е		stration mber	
Namely, the	Attorney	s of			DCI							
Volpe and Ko	penig, P.	C.										
										·		
Additional re	egistered	practitioner(s)	named o	n supplemental	Registered	Prac	litioner In	formation she	et PTO/SB/020	C attached here	eto.	
Direct all corre	esponde			ner Number Code Label	2	437	<b>'</b> 4	OR	Corresp	ondence add	ress below	
Name	ŅО	LPE AND K	OENI	G, P.C.	EPT IC	C	•					
Address												
Address						· 		<del></del>	· 			
City		<del></del>			· · · ·	State ZIP			ZIP			
Country				Telephon	е				Fax			
I hereby declare believed to be t punishable by fi application or an	rue; and ine or in	d further that the nprisonment, or	ese state both, u	ements were m	ade with t	he kno	wledge 1	that willful fal-	se statements	and the like s	o made are	
Name of So	le or F	irst Invento	r:	-			A petitio	n has been	filed for this u	ınsigned inve	entor	
Giv	en Nar	ne (first and m	iddle [if	fany])			_	Family	Name or Su	rname		
Michel Desgagné												
Inventor's Signature Usual Os 32						Date 200						
Residence: City St. Hubert State Quebe				Quebe	ec Country Canada citizenship Canad							
Post Office Ad	ldress	6606 De	s Ma	arronniers				-		.,		
Post Office Ad	dress						,					
City		St. Hubert	State	Quebe	C ZIP	J3Y 8T4 Country Cana			ada			
Additional inventors are being named on the1_supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto												



Attny. Docket No. I-2-0496.1US

PTO/SB/02A (11-00)
Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
to a collection of information unless it contains a valid OMB control number.

### **DECLARATION**

**ADDITIONAL INVENTOR(S)** Supplemental Sheet Page 3 of 3

Name of Additional Joint Inventor, if any:  A petition has been filed for this unsigned inventor									
Given Name (first and middle [if any]	)	Family Name or Sumame							
Teresa Joanne				Hunke	eler				
Inventor's Signature					Date				
Residence: City Montreal	State Quel	oec ,	Country Canada	a	Canada and Switzerland Citizenship				
Mailing Address 4243 Wilson Avenue	4243 Wilson Avenue								
Mailing Address			·						
city Montreal	State Quel	bec	<sub>ZIP</sub> H4A 2V1	Count	y Canada				
Name of Additional Joint Inventor, if an	ıy:		A petition has been fil	ed for thi	is unsigned inventor				
Given Name (first and middle [if any]	)	_	· Family Name or Surname						
Shamim Akbar			Rahman						
Inventor's Shamim Alder F	alman				A-5.12,2004 Date				
Residence: City Montreal	State Que	State Quebec Country Canada			Canada Citizenship				
Mailing Address 1700 Rene-Levesqu	e Blvd. We	est, <i>F</i>	Apt 1003						
Mailing Address									
city Montreal	State Que	ebec	<sub>ZIP</sub> H3H 2V1	Cou	<sub>ntry</sub> Canada				
Name of Additional Joint Inventor, if ar	ıy:		A petition has been file	d for this	unsigned inventor				
Given Name (first and middle [if any])	)	Family Name or Surname							
·									
Inventor's Signature					Date				
Residence: City	State	Country Citizenship							
Mailing Address									
Mailing Address	·								
City	State		71P	Country					

Please type a plus sign (+) inside this box -> +

Declaration

required)

PTO/SB/01 (12-97)
Approved for use through 9/30/00. OMB 0651-0032
Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. a valid OMB control number.

			Attorney Docket Nun	I-2-0496.1US				
DECLARA		I FOR UTILITY OR	First Named Inventor	Desgagné et al.				
PATE		APPLICATION	COMPLE	COMPLETE IF KNOWN				
		FR 1.63)	Application Number 10/		/828,665			
<b>.</b>		ria -	Filing Date	April 21, 2004				
Declaration Submitted with Initial Filing	OR	Declaration Submitted after Initial	Group Art Unit	2665				
		Filing (surcharge (37 CFR 1.16 (e)) required)	Examiner Name	Not Yet Known				

As a below named inventor, I hereby declare that:									
My residence, post office address, and citizenship are as stated below next to my name.									
I believe I am the original.	first and sole inventor (if only	one name is listed below)	or an original, fi	rst and ioint inver	ntor (if plural				
	the subject matter which is								
METHOD AND SYSTEM FOR INTEGRATING RESOURCE ALLOCATION BETWEEN TIME DIVISION DUPLEX AND FREQUENCY DIVISION DUPLEX IN WIRELESS COMMUNICATION SYSTEMS									
the specification of which (Title of the Invention)									
is attached hereto	·								
OR was filed on (MM/D	D/YYYY) 04/21/2	2004 as United	d States Applica	tion Number or P	CT International				
Application Number	and wa	as amended on (MM/DD/Y)	m [		(if applicable).				
	viewed and understand the	contents of the above identi		n, including the c	laims, as				
• •	nt specifically referred to abo								
I acknowledge the duty to d	isclose information which is	material to patentability as o	defined in 37 CF	H 1.56.					
hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.									
Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Co YES	py Attached? NO				
	Number(s) Country (MM/DD/YYYY) Not Claimed								
Additional foreign applica	tion numbers are listed on a	supplemental priority data	sheet PTO/SB/0	2B attached her	eto:				
	nder 35 U.S.C. 119(e) of an	<del></del>	application(s) lis	ted below.					
Application Number	<u> </u>	2/2003							
60/464,668	numbe supple	onal provisiona ers are listed o emental priority SB/02B attache	n a data sheet						

[Page 1 of 3 ]

Burden Hour Statement: This form is estimated to take 0.4 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. 1450, Alexandria, VA 22313-1450.

Please type a plus sign (+) inside this box 🔸 🕂

us sign (+) inside this box + + Approved for use through 9/30/00. OMB 0651-0032

Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

## DECLARATION — Utility or Design Patent Application

		17.4.1.0.	•		•	<del>,                                    </del>		9.9.	· ato	••••	<u> </u>		
I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.													
U.S	S. Pare	nt Applicati Numb		PCT I	Paren	t			ing Date	Pa		Patent Napplicab	
										· ·			
Additional	Additional U.S. or PCT international application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.												
As a named inve and Trademark	As a named inventor, I hereby appoint the following registered practitioner(s) to prosecute this application and to transact all business in the Paten and Trademark Office connected therewith:  Customer Number  24374  Place Customer Number Bar Code  OR  Registered practitioner(s) name/registration number listed below									mer Code			
	Name	9		, logion	Regis	tration			Nam				tration mber
	Name Number Number Number  Namely, the Attorneys of Volpe and Koenig, P.C.												
Additional r	egistered	practitioner(s) r	named o	n suppl	lementa	l Registered	Prac	titioner In	formation she	et PTO/SB	/02C a	ttached here	to.
Direct all corre		ence to: 💢 (	Custom or Bar (	ner Nu	mber	Γ.	437		OR			dence addi	
Name	VO	LPE AND K	OENI	IG, P.	C. I	DEPT IC	C						
Address		···											
Address									-				
City							s	tate		ZIP		-	
Country				Te	elepho	ne				Fax			
believed to be punishable by	true; and fine or in	I statements mad further that the opprisonment, or tissued thereon.	ese stat both, u	ements	were r	nade with t	he kno	owiedae 1	that willful fal	se stateme	nts an	id the like so	o made are
Name of So	ole or F	irst Invento	r:					A petitio	n has been	filed for th	is uns	signed inve	ntor
Gi	ven Nar	ne (first and m	iddle [i	f any])					Family	/ Name or	Surna	ame	
		Mich	el							Desgag	gné		
Inventor's Signature					_							Date	
Residence: City St. Hubert State Quebe						Quebe	c <sub>Country</sub> Canada <sub>Citizenship</sub> Car					Canada	
Post Office A	ddress	6606 De	s Ma	arror	nier	S							
Post Office A													
City		St. Hubert	State	Qu	ebe	C ZIP		J3Y	8T4	Countr	y_	Can	ada
Additional	inconto	re ere beine n	amad a	n the	1	ınnlamant	al Ad	ditional I	nventor(s) s	hoot(e) P	TO/SE	R/N2A attac	hed hereto

### Attny. Docket No. I-2-0496.1US

Please type a plus sign (+) inside this box ——

PTO/SB/02A (11-00)
Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number,

## **DECLARATION**

ADDITIONAL INVENTOR(S)
Supplemental Sheet
Page 3 of 3

Name of Additional Joint Inventor, if a	ıy:	☐ A petition has been filed for this unsigned inventor							
Given Name (first and middle [if any]	)			Family Na	ame or S	Sumame			
Teresa Joanne						Hunk	eler		
Inventor's Teresa Bull	2						Leig. 19, 2004		
Residence: City	1	<sub>te</sub> Queb	ec	Country	, Canada	a	Canada and Switzerland Citizenship		
Mailing Address 4243 Wilson Avenue	4243 Wilson Avenue Mailing Address								
Mailing Address									
city Montreal	Sta	<sub>te</sub> Queb	ес	ZIP F	H4A 2V1	Count	<sub>ry</sub> Canada		
Name of Additional Joint Inventor, if ar	ıy:			A petition	on has been fil	ed for th	is unsigned inventor		
Given Name (first and middle [if any]	)			Family Name or Surname					
Shamim Akbar			Rahman						
Inventor's Signature							Date		
Residence: City Montreal	Sta	ute Queb	ес	Country	Canad	da	Canada Citizenship		
Mailing Address 1700 Rene-Levesqu	ie Bl	lvd. We	st, A	Apt 10	003				
Mailing Address									
city Montreal	Sta	<sub>ate</sub> Que	bec	ZIP	H3H 2V1	Cou	<sub>untry</sub> Canada		
Name of Additional Joint Inventor, if a	ny:			A petitio	n has been file	d for thi	s unsigned inventor		
Given Name (first and middle [if any]	)		Family Name or Surname						
Inventor's Signature					Date				
Residence: City	te	Country Citi			Citizenship				
Mailing Address									
Mailing Address									
City	Stat	State		ZIP C		c	Country		